
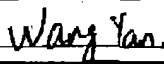


**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76)**

<b>Title of Invention</b>	<b>LOCATION POSITIONING IN WIRELESS NETWORKS</b>
As the below named inventor(s), I/we declare that:	
The declaration is directed to:	
<input checked="" type="checkbox"/> The attached application, or <input type="checkbox"/> Application No. _____, filed on _____ <input type="checkbox"/> as amended on _____ (if applicable).	
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;	
I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;	
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.	
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.	

<b>FULL NAME(S) OF INVENTORS:</b>	
Inventor one: <u>YI Gong</u>	
Signature: <u>[Signature]</u>	Date: <u>27-07-2003</u> Citizen of: <u>People's Rep. Of China</u>
Inventor two: <u>Hang Ching Jason Leung</u>	
Signature: <u>[Signature]</u>	Date: <u>28 July 03</u> Citizen of: <u>Hong Kong</u>
Inventor three: <u>Mario Joa-Ng</u>	
Signature: <u>[Signature]</u>	Date: <u>28 July 03</u> Citizen of: <u>USA</u>
Inventor four: <u>Plu Bill Wong</u>	
Signature: <u>[Signature]</u>	Date: <u>29 July 03</u> Citizen of: <u>Hong Kong</u>
<input checked="" type="checkbox"/> Additional inventors are being named on <u>1</u> additional form(s) attached hereto.	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION (CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)	ADDITIONAL INVENTOR(S) Supplemental Sheet <i>Page 1 of 1</i>
Inventor five: <u>  Soung Chang Liew  </u> Signature: <u></u> Date: <u>  5 Aug 03  </u> Citizen of: <u>  USA  </u>	
Inventor six: <u>  Yan Wang  </u> Signature: <u></u> Date: <u>  28 July 03  </u> Citizen of: <u>  People's Rep. Of China  </u>	
Inventor seven: _____ Signature: _____ Date: _____ Citizen of: _____	
Inventor eight: _____ Signature: _____ Date: _____ Citizen of: _____	
Inventor nine: _____ Signature: _____ Date: _____ Citizen of: _____	
Inventor ten: _____ Signature: _____ Date: _____ Citizen of: _____	
Inventor eleven: _____ Signature: _____ Date: _____ Citizen of: _____	
Inventor twelve: _____ Signature: _____ Date: _____ Citizen of: _____	
Inventor thirteen: _____ Signature: _____ Date: _____ Citizen of: _____	
Inventor fourteen: _____ Signature: _____ Date: _____ Citizen of: _____	
Inventor fifteen: _____ Signature: _____ Date: _____ Citizen of: _____	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	<b>Application Number</b>	Not Yet Assigned
	<b>Filing Date</b>	Concurrently Herewith
	<b>First Named Inventor</b>	James Yi Gong
	<b>Title</b>	Location Positioning In Wireless Networks
	<b>Art Unit</b>	N/A
	<b>Examiner Name</b>	Not Yet Assigned
<b>Attorney Docket No.</b>	64032/P008US/10307656	

I hereby appoint:

Practitioners at Customer Number  →   
Customer Number Customer Number Bar Code

**OR**

Practitioner(s) named below:

Name	Registration Number	Name	Registration Number
David H. Tannenbaum	24,745	Thomas J. Meaney	41,990
Robert M. Chlaviello, Jr.	32,461	Michael A. Papalas	40,381
Jody C. Bishop	44,034	William B. Tiffany	41,347
Christopher S. L. Crawford	51,586	Andrew Vicknair	53,721
Michael J. Fogarty, III	42,541	R. Ross Viguet	42,203
Jerry L. Mahurin	34,661		

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.  
**OR**

Practitioners at Customer Number  →   
Customer Number Customer Number Bar Code

**OR**

Firm or Individual Name

**Address**

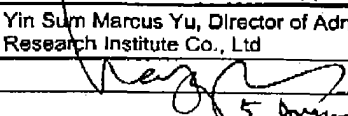
<b>City</b>	<b>State</b>	<b>Zip</b>
<b>Country</b>	<b>Telephone</b>	<b>Fax</b>

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
 Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

<b>Name</b>	Yin Sum Marcus Yu, Director of Administration, Hong Kong Applied Science and Technology Research Institute Co., Ltd
<b>Signature</b>	
<b>Date</b>	5 August 2003

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

\*Total of 1 forms are submitted.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: James Yi Gong, et al.

Application No./Patent No.: \_\_\_\_\_ Filed/Issue Date: \_\_\_\_\_

Entitled: LOCATION POSITIONING IN WIRELESS NETWORKS

Hong Kong Applied Science and Technology Research Institute Co., Ltd., a Limited Liability Company  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1.  the assignee of the entire right, title, and interest; or
- 2.  an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.  
**[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]**

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

5 August 2003  
Date

20062818  
Telephone Number

Yin Sum Marcus Yu  
Typed or printed name

[Signature]  
Signature

Director Of Administration  
Title

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, by Yi Gong, Hang Ching Jason Leung, Mario Joa-Ng, Piu Bill Wong, Soung Chang Liew, Yan Wang (hereinafter referred to as Assignors), residing at Block 41, Rm 402, Wang Fu Yuan, Nanjing 210001, China; Flat E, 27/F, Yuen Long Plaza, Yuen Long, New Territories, Hong Kong; Flat A, 25/F, Block 7, Villa Athena, 600 Sai Sha Road, Ma On Shan, New Territories, Hong Kong; A6 17/F Viking Garden, 42 Hing Fat Street, Causeway Bay, Hong Kong; Residence 12, Flat 5A, The Chinese University of Hong Kong, Shatin, NT, Hong Kong; Tower A 608B, HKUST, Clear Water Bay, Kowloon, Hong Kong, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in LOCATION POSITIONING IN WIRELESS NETWORKS, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

**WHEREAS**, Hong Kong Applied Science and Technology Research Institute Co., Ltd., a Limited Liability Company organized under and pursuant to the laws of Hong Kong, China having its principal place of business at 18/F, Tower 6 Gateway, 9 Canton Road, Tsimshatsui, Kowloon, Hong Kong (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal

representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply

with the rules of the United States Patent and Trademark Office for recordation of this document:

**FULBRIGHT & JAWORSKI L.L.P.**

David H. Tannenbaum	24,745	Michael J. Fogarty, III	42,541	William B. Tiffany	41,347
Robert M. Chiaviello, Jr.	32,461	Jerry L. Mahurin	34,661	Andrew Vicknair	53,721
Jody C. Bishop	44,034	Thomas J. Meaney	41,990	R. Ross Viguier	42,203
Christopher S. L. Crawford	51,586	Michael A. Papalas	40,381		

**AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.**

*Yi Gong*

Yi Gong

Date: \_\_\_\_\_

United States of America )

State of \_\_\_\_\_ ) ss.:

Country of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came \_\_\_\_\_ Yi Gong \_\_\_\_\_, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public



*Jason*

\_\_\_\_\_  
Hang Ching Jason Leung

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Hang Ching Jason Leung, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

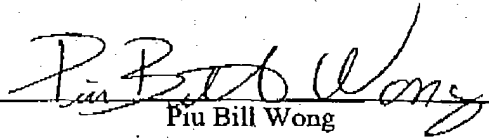
Mario Joa Ng  
Mario Joa-Ng

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, before me personally came Mario Joa-Ng, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

  
Piu Bill Wong

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Piu Bill Wong, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public



\_\_\_\_\_  
Song Chang Liew

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Soung Chang Liew, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

*Wang Yan*

Yan Wang

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me personally came Yan Wang, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public